

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Claim 1 (currently amended): A flexible display (1) comprising:

- a flexible support (2);
- a plurality of discrete light sources (3), fastened to the flexible support (2) so as to be spaced apart thereon;
- ~~light source supply/control means (22, 23);~~
- means, included in the flexible support, for transmitting, between the supply/control means (22, 23) and the discrete light sources, supply/control signals for the discrete light sources; and
- a diffusing element (4) that covers the light sources (3) so as to diffuse the light coming from two adjacent discrete light sources in order to produce a substantially continuous luminous display on one face (4a) of the diffusing element, this face being on the opposite side from the light sources.

Claim 2 (currently amended): The display as claimed in claim 1, in which the light sources (3) are fastened to the flexible support (2) in a matrix arrangement.

Claim 3 (currently amended): The display as claimed in claim 1, which includes a covering element (5), which covers said face (4a) of the diffusing element while letting light pass through it.

Claim 4 (currently amended): The display as claimed in one of the preceding claims claim 1, in which the light sources (3) can be individually controlled in order to emit light.

Claim 5 (currently amended): The display as claimed in any one of the preceding claims claim 1, in which:

- the flexible support (2) is a support made of a fabric comprising woven yarns that include electrically conducting wires (21);
- the supply/control signal transmission means (24, 25) comprise said

electrically conducting wires; and

- the discrete light-emitting sources (3) are soldered to the conducting wires (21).

Claim 6 (currently amended): The display as claimed in ~~one of the preceding claims~~ claim 1, in which the light sources (3) comprise light-emitting diodes soldered to the flexible support.

Claim 7 (currently amended): The display as claimed in claim 6, in which the light-emitting diodes (3) are embedded in a flexible resin (9).

Claim 8 (currently amended): A textile structure (7) that includes a flexible display (1) as claimed in one of the preceding claims, said flexible display comprising:

- a flexible support;
- a plurality of discrete light sources, fastened to the flexible support so as to be spaced apart thereon;
- means, included in the flexible support, for transmitting, between the supply/control means and the discrete light sources, supply/control signals for the discrete light sources; and
- a diffusing element that covers the light sources so as to diffuse the light coming from two adjacent discrete light sources in order to produce a substantially continuous luminous display on one face of the diffusing element, this face being on the opposite side from the light sources.

Claim 9 (currently amended): The textile structure (7) as claimed in claim [[7]] 8, which has a pocket (8) provided with a lower piece and with an upper piece (10) that let light pass through it, at least the flexible support (2) and the plurality of discrete light sources (3) of the display being held in place between said lower and upper pieces.

Claim 10 (currently amended): The textile structure (17) as claimed in claim 8, in which the pocket (8) includes means (11) for extracting the display.

In re Appln. of Deflin et al.
Application No. Unassigned
(U.S. National Phase of PCT/FR2004/000936)

Claim 11 (currently amended): The textile structure as claimed in ~~claim 8 or~~ claim 9, in which the upper piece (10) incorporates the diffusing element of the display.

Claim 12 (currently amended): The textile structure as claimed in ~~any one of claims 8 to 10~~ claim 9, in which the upper piece (10) includes, on the surface, a covering element (5) that covers said face (4a) of the diffusing element.

Claim 13 (new): The display as claimed in claim 1, comprising light-source supply/control means.

Claim 14 (new): A textile structure as claimed in claim 8, wherein the flexible display comprises light-source supply/control means.

Claim 15 (new): The textile structure as claimed in claim 8, in which the light sources are fastened to the flexible support in a matrix arrangement.

Claim 16 (new): The textile structure as claimed in claim 8, which includes a covering element, which covers said face of the diffusing element while letting light pass through it.

Claim 17 (new): The textile structure as claimed in claim 8, in which the light sources can be individually controlled in order to emit light.

Claim 18 (new): The textile structure as claimed in claim 8, in which:

- the flexible support is a support made of a fabric comprising woven yarns that include electrically conducting wires;
- the supply/control signal transmission means comprise said electrically conducting wires; and
- the discrete light-emitting sources are soldered to the conducting wires.

Claim 19 (new): The textile structure as claimed in claim 8, in which the light sources comprise light-emitting diodes soldered to the flexible support.

Claim 20 (new): The textile structure as claimed in claim 19, in which the light-emitting diodes are embedded in a flexible resin.

Claim 21 (new): A process for manufacturing a flexible display, comprising the steps consisting in:

- producing a flexible support that incorporates electrically conducting wires;
 - connecting diodes with electrically conducting wires of the flexible support;
- and
- covering the diodes with a diffusing element.

Claim 22 (new): The process as claimed in claim 21, in which the diodes are connected to electrically conducting wires of the flexible support by soldering.

Claim 23 (new): The process as claimed in claim 21, in which the flexible support is manufactured by weaving electrically conducting wires with non-conducting yarns.

Claim 24 (new): The process as claimed in claim 23, in which the weaving is carried out in such a way that conducting wires are left exposed in segments.

Claim 25 (new): The process as claimed in claim 21, in which the diodes are places at the intersection of tracks, each track comprising a conducting wire or several approximately parallel conducting wires.

Claim 26 (new): The process as claimed in claim 21, which includes a step of embedding the diodes in a flexible resin.